

1 MAGLNCGVSI ALLGVLLLLGA ARLPRGAEAF EIALPRESNI TVLIKLGTPPT LLAKPCYIVI
61 SKRHITMLSI KSGERIVFTF SCQSPENHFV IEIQKNIDCM SGPCPFGEVQ LQPSTSLLPPT
121 LNRTFIWDVK AHKSIGLELQ FSIPRLRQIG PGESCPDGVV HSIISGRIDAT VVRIGTFCSN
181 GTVSRIKMQE GVKMALHLPW FHPRNVSGFS IANRSSIKRL CIIESVFEGE GSATLMSANY
241 PEGFPEDELM TWQFVVPABL RASVSFLNFN LSNKERKEER VEYYIPGSTT NPEVFKLEDK
301 QPGNMAGNFN LSLQGCDDA QSPGILRLQF QVLVQHPQNE SNKIYVVDLS NERAMSLTIE
361 PRPVKQSRKF VPGCFVCLES RTCSSNLTLT SGSKHKISFL CDDLTRLWMN VEKTSCTDH
421 RYCQRKSYSL QVPSDILHLP VELHDFSWKL LVPKDRSLV LVPAQKLQOH THEKPCNTSF
481 SYLVASAIPS QDLYFGSFCP GGSIKQIQVK QNISVTLRTF APSFROEASR QGLTVSFIPY
541 FKEEGVFTVT PDKTSKVYLR TPNWDRGLPS LTSVSWNISV PRDQVACLTF FKERSGVVCQ
601 TGRAFMIIQE QRTAEEIFS LDEDVLPKPS FHHHSFWVNI SNCSPTSGKQ LDLLFSVTLT
661 PRTVDLTVIL IAAVGGGVLL LSALGLIICC VKKKKKKTNK GPAVGIIYNGN INTEMPPQPK
721 KFQKGRKDND SHVYAVIEDT MUYGHLQDS SGSFLQPEVD TYRPFQGTMG VCPPSPPTIC
781 SRAPTAKLAT EEPPRSPPE SESEPYTFSH PNNGDVSSKD TDIPLLSTQE PMEPAE

Figure 1

1 gcgcgcaggt gagtgagcca gggcggagcg cagctgcgcc gggcttgggc gcctggggcc
61 gccgctcccc accgtcgttt tccccaccga ggccgagggc tcccggagtc atggccggcc
121 tgaactgcgg ggtctctatc gcaactgctag gggttctgct gctgggtgct gcgcgcctgc
181 cgcgcggggc agaagctttt gagattgctc tgccacgaga aagcaacatt acagttctca
241 taaagctggg gaccccgact ctgctggcaa aaccctgtta catcgtcatt tctaaaagac
301 atataaccat gttgtccatc aagtctggag aaagaatagt ctttaccttt agctgccaga
361 gtcctgagaa tcactttgtc atagagatcc agaaaaatat tgactgtatg tcaggcccat
421 gtccttttgg ggaggttcag cttcagccct cgacatcgtt gttgcctacc ctcaacagaa
481 ctttcatctg ggatgtcaaa gctcataaga gcacggttt agagctgcag ttttccatcc
541 ctgcctgag gcagatcggc cggggtgaga gctgcccgaga cggagtcact cactccatca
601 gcggccgaat cgatgccacc gtggtcagga tcggaacctt ctgcagcaat ggcactgtgt
661 cccggatcaa gatgcaagaa ggagtgaaaa tggccttaca cctcccatgg ttccacccca
721 gaaatgtctc cggcttcagc attgcaaacc gctcatctat aaaacgtctg tgcacatcg
781 agtctgtgtt tgagggtgaa ggctcagcaa ccctgatgtc tgccaactac ccagaaggct
841 tccctgagga tgagctcatg acgtggcagt ttgtcgttcc tgcacacctg cgggccagcg
901 tctccttcct caacttcaac ctctccaact gtgagaggaa ggaggagcgg gttgaatact
961 acatcccggg ctccaccacc aaccccgagg tgttcaagct ggaggacaag cagcctggga
1021 acatggcggg gaacttcaac ctctctctgc aaggctgtga ccaagatgcc caaagtccag
1081 ggatcctccg gctgcagttc caagttttgg tccaacatcc acaaaatgaa agcaataaaa
1141 tctacgtggg tgacttgagt aatgagcgag ccattgtcact caccatcgag ccacggcccc
1201 tcaaacagag ccgcaagttt gtccctggct gttcgtgtg tctagaatct cggacctgca
1261 gtagcaacct caccctgaca tctggctcca aacacaaaat ctcttcctt tgtgatgatc
1321 tgacacgtct gtggatgaat gtggaaaaaa ccataagctg cacagaccac cggactgccc
1381 aaaggaaatc ctactcactc caggtgcccc gtgacatcct ccacctgcc gtggagctgc
1441 atgacttctc ctggaagctg ctggtgcccc aggacaggct cagcctggtg ctggtgccag
1501 cccagaagct gcagcagcat acacacgaga agccctgcaa caccagcttc agctacctcg
1561 tggccagtgc catacccagc caggacctgt acttcggctc cttctgcccg ggaggctcta
1621 tcaagcagat ccagggtgaag cagaacatct cggtgacctc tcgcacctt gcccccagct
1681 tccgacaaga ggcctccagg cagggtctga cgggtgcctt tataccttat ttcaaagagg
1741 aaggcgtttt cacggtgacc cctgacacaa aaagcaaggc ctacctgagg acccccaact
1801 gggaccgggg cctgccatcc ctcaacctct gtgcctggaa catcagtgctg cccagagacc
1861 aggtggcctg cctgactttc ttttaaggagc ggagcggcgt ggtctgccag acagggcgcg
1921 cattcatgat catccaggag cagcggaccc gggctgagga gatcttcagc ctggacgagg
1981 atgtgctccc caagccaagc ttccaccatc acagcttctg ggtcaacatc tctaactgca

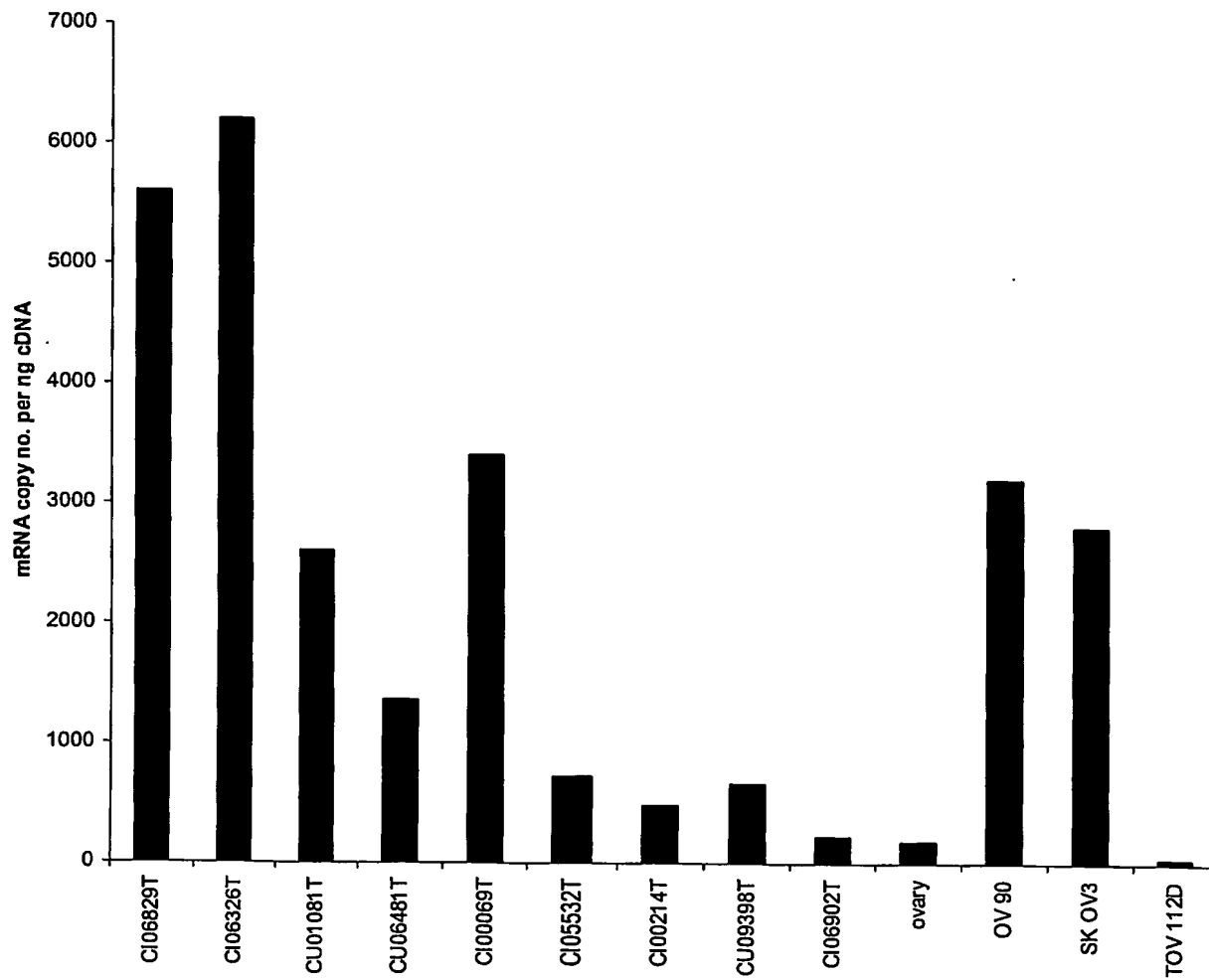
3/5

2041 gccccacgag cggcaagcag ctagacctgc ttttctcggt gacacttacc ccaaggactg
2101 tggacttgac tgtcatcctc atcgcagcgg tgggaggtgg agtcttactg ctgtctgccc
2161 tcgggctcat catttgctgt gtgaaaaaga agaaaaagaa gacaaacaag ggccccgctg
2221 tgggtatcta caatggcaac atcaatactg agatgccgag gcagccaaaa aagtttcaga
2281 aagggcgaaa ggacaatgac tcccatgtgt atgcagtcac cgaggacacc atggtatatg
2341 ggcatctgct acaggattcc agcggctcct tcttcagcc agaggtggac acctaccggc
2401 cgttccaggg caccatgggg gtctgtcctc cctccccacc caccatatgc tccagggccc
2461 caactgcaaa gttggccact gaggagccac ctctcgcctc ccctcctgag tctgagagtg
2521 aaccgtacac cttctcccat cccaacaatg gggatgtaag cagcaaggac acagacattc
2581 ccttactgag cactcaggag cccatggagc cagcagaata acttgatcca ttccagacgc
2641 tttgctgagt ttcataaagc agggcactga gacaccgcct cgtgttccta accagaaatc
2701 ctaaagaaga ggaattatac agaaggaaca gcaggaggtt ttcttggaac ccgccaaactt
2761 cacattgctc agtggactca ttctaagggc aagacattga aaatgatgaa ttccaatctg
2821 gatacagtca tgacagctca tgtgctcctc aacttaggct gtgcgggttag ccagcctgta
2881 atgagaggag agaggcctga gtcacctagc atagggttgc agcaagccct ggattcagag
2941 tgttaaacag aggcttgccc tcttcaggac aacagttcca attccaagga gcctacctga
3001 ggtccctact ctactgggg tccccaggat gaaaacgaca atgtgccttt ttattattat
3061 ttattttggtg gtctgtgttt atttaagaga tcaaatgtat aaccacctag cacttttcac
3121 ctgacttagt aataactcat actaactggg ttggatgcct ggggtgtgac ttctactgac
3181 cgctagataa acgtgtgcct gtccccagg tgggtgggaat aatttacaat ctgtccaacc
3241 agaaaagaat gtgtgtgttt gagcagcatt gacacatatc tgctttgata agagacttcc
3301 tgattctcta ggtcggttcg tggttatccc attgtggaaa ttcattctga atcccattgt
3361 cctatagtcc tagcaataag agaaatttcc tcaagtttcc atgtgcgggt ctcttagctg
3421 cagcaatact ttgacattta aagagaaatt tagagaatat tctcatcctc taaaaatggt
3481 taaatatata ccaaacagtg gccccctgca ttagttttct gttgccactg caacctatta
3541 cttggtagct taaaaacaac acattagctt atagtcctgg ggatcagaat tccaaaatgg
3601 atgtccctga atgaaaatca aggtgtcagc agagctgtgc tccttctgaa ggctctaggg
3661 agaagccggt tccttgccat ttcaagcttc tagaggctgg ctgcattccc aggtccagt
3721 ggctgggtcaa gcttttctca catggcatca ctgtgacact ggccctccca cttccctctt
3781 tgacttacia agcccaccag gaagatccag gataatctct ccatctaaag ttccttcac
3841 atcctggaag agccttttgc catgcaagac aacatagcca cagggtgggga ttaggaccag
3901 aacatctttg ggggtgctgtt attctgccta ccacaccttc ctgccactga ctcccacagg
3961 agaggctaca aaatgatctg gcgcacaggg atgttttggt tagcttgagg actctaacac
4021 ttaaaaaaaaa acccagatca gaagatctgg ccatgctggg gctcacattc tcacctagca
4081 acaactggct ggagctgggc accagctctg cctttagaag ggggtgtccac ttcaccagg

4/5

4141 caccacagcc cacactacgc cctatcactt cccacaatga ggctgagtgt ttgtttctac
4201 tgatcaatgc ccctgcaggt tgcatttatt gtaatgaaaa agaaagactg ggattaatct
4261 ctaatcaggt gagtagacca tgagaccaat gtgtgctcac attacccttt ttcttttttt
4321 tctttttctt tttctttttt tttttaatgt gagacaggat ctcatctctgt tgcctaggct
4381 ggagtgcagt ggcgcaatct cggctcactg caacctctgc ctctgggct caagcaatcc
4441 tcccaccta gcctcccaaa tagctgggat cactggcaca aaccaccatg cccagctaata
4501 tttgtatttt ttgtagagac agggtttcac catgttgccc aggctggtct caacctcctg
4561 ggctcaagca atcctcctgc ctggcctcc caaagtgtct ggattacaga tgtgagccac
4621 cgcattccagc cccacacctt catttatacc aattacctgc ccagtaactg tggacttttg
4681 cttcctcacc cctgctctga tctggaagga gagggattat gttatagctt gtcagcacag
4741 tcccaagttc aatatttctg cggcaaaaac ttcttcaaa aaataaatgt acttcattgt
4801 attcaatgaa ttcaccttg aaatgcaccg cctcaacttg ttcacatggc ataaatgaaa
4861 ggaattttat agtctcctaa atggcgtgta ctgcaagacc tctgaacac tttccagagg
4921 ataggatatt taagtcatgc ccttgctgct tatggcacct ttcccttctg aaagtctggt
4981 tcctgcccag tgaccttggt ccttgctgagc cgagatgctg accctgcata aaggggccaaa
5041 ggagggctgc ggcttccttc cctcactgaa gagcccttat ttgaattcac tgtgtggagc
5101 cctagccctc cattctcgac attccccaac ctcccagccc cttccaagca ggactagggtg
5161 ccctgcattc cacccaaggt gggattggcc ttcttaggc tggctacttg tcaccatcac
5221 cgacatcact gttgcctgca aggacaccac gtggccaatt tcttcaact gagggctcaa
5281 aactcctgga caagttgctg gctcctgaga ccagtat ttc ctggagctgt gcctcagtga
5341 aggggcccag cctgaggaac cctggctctt ttctttaaag cccaggcccc acttacgtaa
5401 aacatttcag ggtcactgga aacagtgaag tgccatttgt tgaagcctac tgcattgccag
5461 cccactgctc atccacgtgg tctgccatgc ctacgaggaa ggccagcgca tgcaggactg
5521 gtctctaatt ctgtggctcat tgcacagaag ggaaaggctt caaggaagag tcaactggaa
5581 caagcacaag cccaccggac atggccttg taaaggtag cagactgggtg tgtgtggatc
5641 tgcagtgtct cactggaaat aatttattca ttgcagatc tttttagggtg gcattttatt
5701 catttcctgt gctttaaata aacaaatgta ccaaaaaaca agtatcaagc tgtttaagtg
5761 ctctggctac ttgtcccctg gttcagtaga ggccccggtt tcccagttgt tgactgtgac
5821 aggctcagca tgggctcagc agatgctgtc ttaatttggt gatgatacag aaagccaggc
5881 tttgggatac aagttctttc ctcttcattt gatgccgtgc actgtgtgaa gcagatgttt
5941 ttgtccggaa ataaaaataa tagtcttgga gtctcgcc

Figure 2

**Figure 3**